

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended): A polyolefin fiber for the reinforcement of products based on fibers and on a hydraulic-setting substance, wherein the fiber comprises a size comprising at least a product based on fatty-acid polyethylene glycol ester and phosphoric acid ester compounds, natural-oil-based, a product based on a fatty-acid-derived polyethylene glycol ester, and/or a product based on non-ionic surfactant and esterquats, wherein the size assists the fiberizing operation, assists wetting by the hydraulic-setting substance, and promotes adhesion to the hydraulic-setting substance, [[and]] wherein the size is present on the fiber in an amount of 0.05 to 5% by weight of dry matter relative to the dry weight of fiber, and wherein the size is applied to the fiber during one or more fiber processes selected from the group consisting of fiberizing, leaving the die or spinneret, transporting, drawing, chopping, and unwinding from the bobbin.

2. (Previously Presented): The polyolefin fiber as claimed in claim 1, wherein the polyolefin is polypropylene.

3. (Previously Presented): The polyolefin fiber of claim 1, wherein the titre of the polyolefin fiber is between 0.5 and 10 dtex.

4. (Previously Presented): The polyolefin fiber of claim 1, wherein the polyolefin fiber has a tenacity of at least 4 cN/dtxt.

5. (Canceled).

6. (Previously Presented): The polyolefin fiber of claim 1, wherein the size is applied alone or as a part of a solution, dispersion or emulsion, aqueous-based or based on another suitable liquid vehicle.

7. (Previously Presented): A method of reinforcing a product comprising adding a fiber as claimed in claim 1 to the product.

8. (Previously Presented): A product based on fibers and a hydraulic-setting substance, wherein the product comprises polyolefin fibers as claimed in claim 1.

9. (Previously Presented): The product as claimed in claim 8, wherein the product comprises from 0.2 to 5% by weight of reinforcing fibers relative to the total dry weight of an initial mixture based on hydraulic binder, water and fibers.

10. (Previously Presented): The product as claimed in claim 8, wherein the product is planar or is a corrugated board or plate.

11. (Previously Presented): A process for manufacturing a product based on fibers and a hydraulic-setting substance as claimed in claim 8, comprising preparing an initial mixture based on hydraulic binder, water and fibers, filtering the initial mixture on a fixed or moving support in order to form a wet elementary sheet, superposing a plurality of elementary sheets to form a wet intermediate product and drying the wet intermediate

product.

12. (Previously Presented): A mortar composition comprising a hydraulic binder and fibers as claimed in claim 1.

13. (Previously Presented): The polyolefin fiber as claimed in claim 1, wherein the size comprises at least a product based on fatty-acid polyethylene glycol ester and phosphoric acid ester compounds, natural-oil-based.

14. (Previously Presented): The polyolefin fiber as claimed in claim 2, wherein the size comprises at least a product based on fatty-acid polyethylene glycol ester and phosphoric acid ester compounds, natural-oil-based.

15. (Previously Presented): The polyolefin fiber as claimed in claim 1, wherein the size comprises at least a product based on non-ionic surfactant and esterquats.

16. (Previously Presented): The polyolefin fiber as claimed in claim 2, wherein the size comprises at least a product based on non-ionic surfactant and esterquats.

17. (Previously Presented): The polyolefin fiber as claimed in claim 1, wherein the size comprises at least a product based on a fatty-acid-derived polyethylene glycol ester.

18. (Previously Presented): The polyolefin fiber as claimed in claim 2, wherein the size comprises at least a product based on a fatty-acid-derived polyethylene glycol ester.

19. (New): A polyolefin fiber for the reinforcement of products based on fibers and on a hydraulic-setting substance, wherein the fiber comprises a size comprising at least a product based on fatty-acid polyethylene glycol ester and phosphoric acid ester compounds, natural-oil-based, a product based on a fatty-acid-derived polyethylene glycol ester, and/or a product based on non-ionic surfactant and esterquats, wherein the size assists the fiberizing operation, assists wetting by the hydraulic-setting substance, and promotes adhesion to the hydraulic-setting substance, wherein the size is present on the fiber in an amount of 0.05 to 5% by weight of dry matter relative to the dry weight of fiber, and wherein the size is applied directly to the fiber during fiberizing.